COSHH RISK ASSESSMENT

Control of Substances Hazardous to Health Regulations 2002 (as amended)

1. ASSESSMENT DETAILS	
Company / Site	Monarch Pest Control Services Ltd.
Assessment reference	COSHH 09
Assessed by	Patrick Condon
Date of assessment	13/10/2026
Review date	(13/10/2027, or sooner if the SDS, process or legislation changes)
Task / activity	Applying cockroach bait gel as small spots from a syringe or bait gun into cracks, crevices and harbourages; inspecting, topping up and removing old bait, professional pest control
Location(s) of use	Client Premises
Frequency / duration of use	As required
Quantity used	As required

2. PRODUCT IDENTIFICATION	
Product name	**IMIDASECT (Imidacloprid 2.15% Gel), product code SHA 3200 A**
UFI / authorisation no.	GB-2016-1042 (GB biocide authorisation). No UFI stated in the SDS; check your pack label.
Supplier	Sharda Europe B.V.B.A., Heedstraat 58, 1730 Asse, Belgium Tel: +32 2 4664 444 | regn@shardaintl.com (UK distributor: Lodi UK)
Emergency telephone	SDS: 112; Carechem 24 h +44 (0)1865 407333 Healthcare professionals: NPIS 0344 892 0111 (24 h) General public: NHS 111 (England, Wales, Scotland); Northern Ireland: GP or NHS 111
Identified use	Biocide: insecticidal bait gel for cockroaches (PT18). Professional use; follow the label.
Active substances	Imidacloprid (CAS 138261-41-3) 2.15 % w/w
SDS reference	Sharda SDS, Version 1.0/UK, issued 31/03/2022 (replaces 0.1/UK of 30/03/2021), to Regulation (EU) 2015/830
Physical form	Brown gel, slight characteristic odour. pH 5–7. Relative density 1.25. Flash point 126 °C; auto-ignition 404 °C. Not explosive or oxidising.

3. HAZARD CLASSIFICATION & LABEL ELEMENTS



GHS09
Environment

Signal word	WARNING
Classification (CLP, EC 1272/2008)	Aquatic Acute 1 H400 | Aquatic Chronic 1 H410 (not classified for human health)
Hazard statements	H410 Very toxic to aquatic life with long lasting effects.
Supplementary statements	EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
Precautionary statements	P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Other hazards	Contains no PBT/vPvB substances ≥ 0.1 %.

4. HAZARDOUS INGREDIENTS

Substance	CAS / EC	Conc. %	Classification
Imidacloprid	138261-41-3 428-040-8	2.15	Acute Tox. 3 (Oral), H301; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=1000)
Sodium hydroxide	1310-73-2 215-185-5	1 – 5	Skin Corr. 1A, H314 (specific limits: Skin Irrit. 2 / Eye Irrit. 2 at 0.5–2 %, Skin Corr. 1B at 2–5 %)
1,2-Benzisothiazol-3(2H)-one (BIT, preservative)	2634-33-5 220-120-9	< 0.1	Acute Tox. 4 (Oral), H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317 (≥ 0.05 %); Aquatic Acute 1, H400
Copper(II) nitrate	3251-23-8 221-838-5	< 0.1	Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 2, H411

5. WORKPLACE EXPOSURE LIMITS (EH40)

Substance	Limit	Basis
Glycerol (mist)	10 mg/m³ 8-hr TWA	EH40/2005
Sodium hydroxide	2 mg/m³ 15-min STEL	EH40/2005
Copper(II) nitrate	0.01 mg/m³ TWA (respirable)	EU IOEL / SCOEL, not an EH40 WEL
Imidacloprid	None assigned	–

6. ROUTES OF EXPOSURE & HEALTH EFFECTS

Route	Likelihood	Effects (from SDS)
Inhalation	☒ Low ☐ Med ☐ High	Not classified. Non-volatile gel; negligible unless heated or burned.
Skin contact	☐ Low ☒ Med ☐ High	Not irritating (OECD 404) or sensitising (OECD 406) as a product, but BIT may produce an allergic reaction in sensitised people. LD50 dermal (rat) > 2000 mg/kg.
Eye contact	☐ Low ☒ Med ☐ High	Not classified (OECD 405). Rinse for at least 20 minutes and get advice.
Ingestion	☒ Low ☐ Med ☐ High	LD50 oral (rat) > 2000 mg/kg. Active ingredient is toxic if swallowed (H301); main risk is children or pets eating bait spots.
Environment	☐ Low ☒ Med ☐ High	Very toxic to aquatic life with long lasting effects. Highly toxic to aquatic insects (NOEC 0.000024 mg/l) and bees. Not readily biodegradable.

7. PERSONS AT RISK

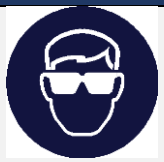
Group	At risk?	Notes
Pest control operatives	☒ Yes ☐ No	Skin contact when loading guns, placing and removing bait
Other employees / staff on site	☒ Yes ☐ No	Contact with exposed placements; inform staff of locations
Public / customers / occupants	☒ Yes ☐ No	Place bait out of reach and sight; not on food-contact surfaces
Children & pets (incl. fish tanks)	☒ Yes ☐ No	Keep placements inaccessible to children and pets; keep away from aquaria
New / expectant mothers, young persons	☐ Yes ☐ No	Low hazard product; individual assessment if required

8. CONTROL MEASURES

Elimination / substitution	Use non-chemical measures first (hygiene, proofing, monitoring traps). Gel baits are already a low-exposure method.
Engineering controls	Use a syringe or bait gun to avoid touching the gel. Place small spots in cracks and crevices, not on exposed or food-contact surfaces. Ensure adequate ventilation in confined areas.
Safe handling	Avoid skin and eye contact. Do not apply where surfaces will be washed or where bait can reach drains. Record placement locations.
Hygiene	Do not eat, drink or smoke while working. Wash hands and exposed skin with mild soap and water before breaks and after work. Wash clothing and equipment

	after handling.
Storage	Original container, closed, locked up, in a dry, well-ventilated place out of sunlight at 0–30 °C, away from food, feed and combustibles.
Training / information	Operatives trained in biocide use (e.g. RSPH/BPCA level 2) and briefed on this assessment, the label and the SDS.

9. PERSONAL PROTECTIVE EQUIPMENT

 **Chemical-resistant gloves**	 **Eye protection (splash risk)**	 **Protective clothing**

PPE	Requirement (from SDS)	Standard / notes
Hand	Chemical-resistant gloves	EN 374 (e.g. nitrile)
Eye / face	Eye protection; goggles and face shield only where spray or airborne particles are possible	EN 166. Safety glasses normally adequate for gel application
Body	Long-sleeved protective clothing	Workwear; safety footwear EN ISO 20345 for spill clean-up
Respiratory	Not required in normal use. SDS lists P2/P3 filter only as extra protection for particles	EN 143 / EN 149 if ever needed

10. FIRST AID

General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice and show the label.
Inhalation	Move to fresh air. If not breathing, give artificial respiration and call a doctor.
Skin contact	Remove contaminated clothing. Wash immediately and thoroughly with soap and water. Seek advice if a rash develops.
Eye contact	Remove soft contact lenses and rinse with plenty of water for at least 20 minutes with eyes wide open. Get medical advice immediately.
Ingestion	Rinse mouth. Immediately call NHS 111 or a doctor and show the label.

11. SPILLAGE, FIRE & DISPOSAL

Accidental release	Wear gloves, eye protection and suitable clothing. Soak up with inert absorbent (sand, universal binder), place in a labelled container and clean the area promptly. Prevent entry to drains, soil and water; notify authorities if it reaches sewers or public waters.
Fire	Water spray, dry powder, foam or CO2. Toxic fumes (CO, nitrogen oxides) may be released. Self-contained breathing apparatus. Keep fire-fighting water out of drains.
Waste disposal	Remove old or unused bait and dispose of with packaging as hazardous/special waste via a licensed contractor. Do not put in drains.

12. SIGN-OFF

Role	Name	Signature	Date
Assessor	Patrick Condon	Patrick Condon	19th October 2026
Manager / approver	George McConville	George McConville	19th October 2026

Source: Sharda IMIDASECT Safety Data Sheet, Version 1.0/UK (31/03/2022). Read alongside the current SDS and product label, and review for site-specific conditions.